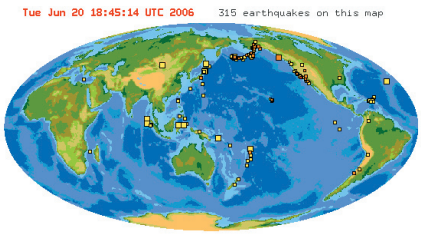
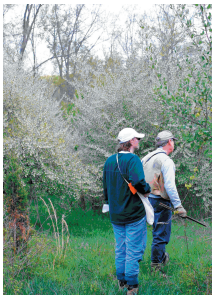
USGS
science for a changing world

USGS Education Resources for Earth Science Week

"Be a Citizen Scientist"

education.usgs.gov

Discover a wealth of curricular ideas, scientific data, maps, books, and other resources to support earth science, biology, geography, and hydrology!

Where Can I Find It?	What Can I Do With It?	What Does It Look Like?
Educational Resources and Lessons		
Real-Time Water Flow and Water Quality Data for Rivers Near Your School, Home, and Across the USA ***http://water.usgs.gov***	Access real-time hydrographs that show how water levels have changed over the past month for thousands of gaging stations along streams. Compare years of floods to years of drought and contrast the quality of water in your community versus that in other locations.	
Earthquake Hazards Program ***http://earthquake.usgs.gov***	How many earthquakes occurred today, and where were they? Query worldwide earthquakes to discover the relationship of earthquakes to plate boundaries and their proximity to cities. Record your earthquake observations on the "Did You Feel It?" site: *http://earthquake.usgs.gov/eqcenter/dyfi.php*	
The National Biological Information Infrastructure ***http://www.nbii.gov/index.html***	Learn about invasive plant, tree, and animal species, avian influenza, stream restoration, sustainable agriculture, biodiversity, and other biological and environmental issues critical to our world.	
North America Amphibian Monitoring Program ***http://www.pwrc.usgs.gov/naamp/***	Join a collaborative effort to monitor populations of vocal amphibians. The USGS provides coordination and database management. Regional partners recruit and train volunteer observers, like you, to collect amphibian population data by their unique vocalizations, such as "frog calls."	

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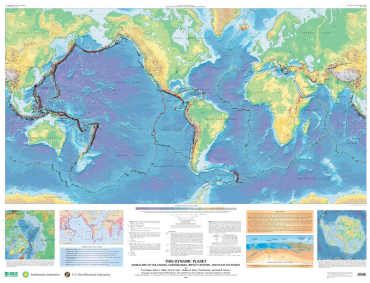
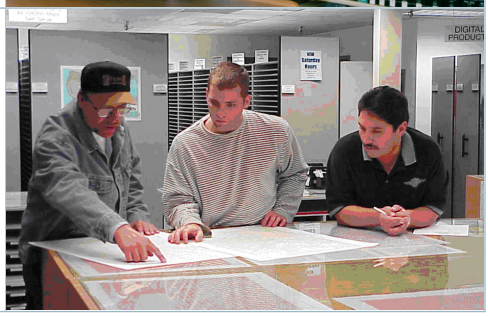
Educational Resources for Primary, Secondary, and University Educators and Students ***http://education.usgs.gov***	Tap into 127 years of USGS research in the Natural Sciences — in the form of maps, images of the planet, books, and much more. Also thousands of ideas are available for how to use these resources in the curriculum — elementary, secondary, university, and in informal education settings.	
Education Map Catalog ***http://education.usgs.gov/common/resources/mapcatalog/***	View, order, and find out how to use over 250 of the most useful maps about geology, earthquakes, environment, water, national parks, topography, hydrology, culture, history, the planets, and other themes.	
Looking at Earth ***EROS*** ***http://eros.usgs.gov/*** ***http://glovis.usgs.gov/*** ***http://earthexplorer.usgs.gov/*** ***http://seamless.usgs.gov/***	**EROS** *(The USGS Center for Earth Resources Observation and Science)* invites you to visit its gateways to explore our changing world with views of Earth from space. **Glovis** *(Global Visualization)* Landsat and other satellite images of any place on Earth. **Earth Explorer** A comprehensive search and order system for satellite images, air photos, and cartographic data. **Seamless Data Distribution System** View and download geospatial data layers, such as elevation, land cover, high resolution orthoimagery, and much more.	
USGS Publications Warehouse ***http://pubs.usgs.gov***	Find and browse over 1 million books and journals, 450,000 maps, 250,000 photographs, and more representing over 127 years of USGS science.	
Personalized, Expert Help **ASK USGS:** ***http://ask.usgs.gov***	The USGS is more than scientific studies in maps, books, and online. Discover how to access and use the best USGS resource of all — its people. Our Natural Science Network can help you find and use our resources, whether you are an educator, student, or interested citizen.	

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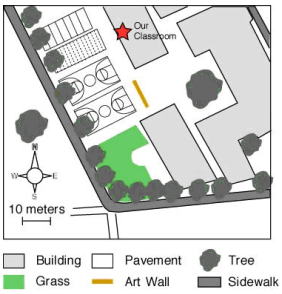
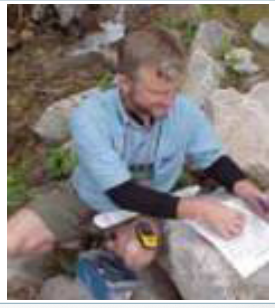
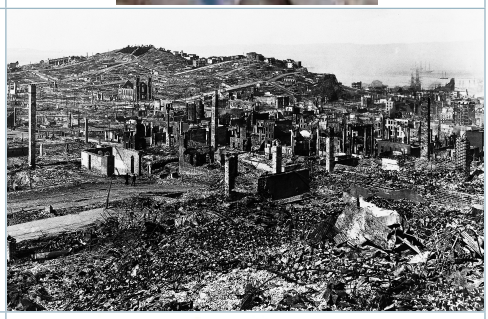
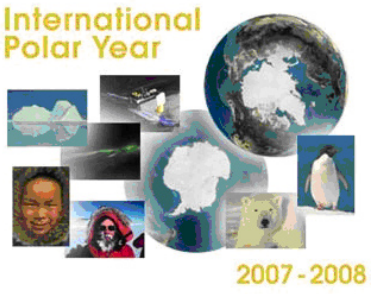
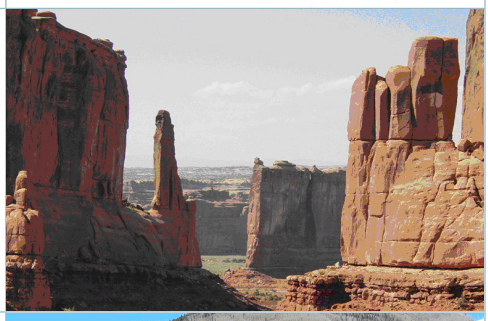
Schoolyard Geology ***http://education.usgs.gov/schoolyard/index.html***	Wish you could take more field trips? You can! Your own schoolyard is filled with great geologic features. This web site is filled with activities and examples of what to look for to turn your schoolyard into a rich geologic experience.	
Education News and Information ***http://education.usgs.gov/common/news.htm***	Be informed! Find out about Earth Science Week, Geography Awareness Week, science education news, and other valuable information and events of interest to educators and students.	
The 1906 San Francisco Earthquake ***http://earthquake.usgs.gov/regional/nca/1906/***	Fascinating new 3D maps, field trips, data sets, and activities are available to commemorate the devastating earthquake of a century ago.	
Polar Resources ***http://education.usgs.gov/common/resources/international_polar_year.html***	Uncover the mysteries of polar regions through USGS interactive maps, satellite imagery, scientific studies, through the eyes of the people who make all of the research happen and have their own stories to tell. Join in the celebration of the upcoming International Polar Year.	
3D Parks ***http://3dparks.wr.usgs.gov/***	Immerse yourself in our natural treasures. Take a 3D tour of our national parks featuring photographs, geology, and natural history. Let your 3D glasses be the portal of discovery for you and your students.	
The GPS Class ***http://education.usgs.gov/common/lessons/gps.html***	Find your place! GPS is huge. Learn about how to use Global Positioning Systems for education and recreation — in geocaching, physical processes, field data collection, and more.	

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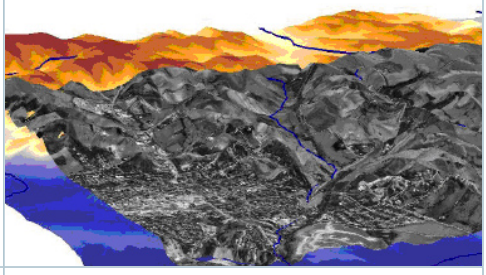
The GIS Lab ***http://education.usgs.gov/common/lessons/gis.html***	Geographic Information Systems are among the most sought - after fields for the 21st Century. Learn how to use GIS to study hazards, population, climate change, and much more through hands-on lessons.	
The National Atlas ***http://nationalatlas.gov***	Make your own customized maps from data sets from the USGS and 17 other organizations — everything from A (aquifers) to Z (zebra mussels).	
Teaching with Topographic Maps ***http://education.usgs.gov/common/lessons/teaching_with_topographic_maps.html***	Discover over 25 ways to use USGS topographic maps as an effective teaching tool — from teaching about landforms, human impact, river systems, coordinate systems, to GPS, and much more.	
Science Careers		
USGS Employment ***http://www.usgs.gov/ohr/***	Search and apply for job openings, internships, postdoctoral fellowships, and volunteer opportunities at the USGS. Discover the benefits of working for one of the largest science organizations in the world.	
Scientists in Action ***http://mac.usgs.gov/isb/pubs/booklets/scientists/index.html***	Discover how scientists contribute to society, what it would be like to work as a scientist, and how you can get involved with science — even while you are still a student.